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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/597,553	06/19/2000	Jung Won Kang	YHK-047	YHK-047 4966	
34610	7590 06/27/2006		EXAMINER		
FLESHNEI	R & KIM, LLP	SAID, MAI	SAID, MANSOUR M		
P.O. BOX 22 CHANTILL	21200 Y, VA 20153	ART UNIT	PAPER NUMBER		
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Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)			
		09/597,553		KANG ET AL.			
	Office Action Summary	Examiner		Art Unit	<u> </u>		
		MANSOUR N	Л. SAID	2629			
Period fo	The MAILING DATE of this communication or Reply	appears on the co	over sheet with the c	correspondence addr	'ess		
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by seply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS R 1.136(a). In no event, n. eriod will apply and will extatute, cause the applicat	COMMUNICATION however, may a reply be tin pire SIX (6) MONTHS from ion to become ABANDONE	N. nely filed the mailing date of this com D (35 U.S.C. § 133).			
Status							
2a)□	Pa) This action is FINAL . 2b) This action is non-final.						
Dispositi	on of Claims						
 4) ☐ Claim(s) 1-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2,7,10-13,15-27 and 31 is/are rejected. 7) ☐ Claim(s) 3-6, 8-9, 14 and 28-30 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 							
Applicati	on Papers						
10)	The specification is objected to by the Exar The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co The oath or declaration is objected to by the	accepted or b) the drawing(s) be trection is required	neld in abeyance. See if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR	• •		
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment	(s) e of References Cited (PTO-892)	A	☐ Interview Summary	(PTO.413)			
2) Notice	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB	4)) (/08) 5)	Paper No(s)/Mail Da		52)		
	No(s)/Mail Date	6)	Other:	, , , , , , , , , , , , , , , , , , , ,	,		

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 18-22 and 25-27 rejected under 35 U.S.C. 102(e) as being anticipated by Park et al. (6,262,532 B1; hereinafter referred to as Park).
- 3. As to claims 18 and 25, Park teaches a discharge cell, comprising a first electrode (figure 3, (22), a second electrode (figure 3, (24) that crosses the first electrode (figure 3, (22, a dielectric layer (figure 3, (23)) positioned between the first and second electrodes, and at least one auxiliary electrode (figure 3, (26)) coupled to one of the first (figure 3, (22)) and second electrodes (figure 3, (24) (figures 3-7, abstract; column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57), a plurality of third electrodes associated with each of the first electrodes, wherein each of the plurality of third electrodes have a predetermined width and a predetermined length that runs in a direction substantially parallel to the second direction (figures 3-7, abstract; column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57).

As to claim 19, Park (figures 3-7) teaches that the first electrode (22) comprises an address electrode and the second electrode (24) (abstract; and column 3, line 30 through column

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4, line 67).

As to claim 20, Park (figures 3-6) discloses wherein the at least one auxiliary electrode comprises a first auxiliary electrode connected to the first electrode (column 4, lines 54-67).

As to claim 21, Park (figures 3-6) teaches wherein the at least one auxiliary electrode further comprising a second auxiliary electrode connected to the second electrode (column 4, lines 1-67).

As to claim 22, Park (figures 3-7) teaches wherein the at least one auxiliary electrode is electrically connected to the one of the first and second electrodes (abstract and column 3, line 30 through column 4, line 67).

As to claims 26-27, Park (figures 3-7) teaches wherein the pluralities of third electrodes are electrically coupled (connected) to the plurality of first electrodes (abstract and column 3, line 30 through column 4, line 67).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-2, 7, 10 15-16, 23-24 and 31 rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Baranov et al. (6,100,641; hereinafter referred to as Baranov).

As to claims 1, 7, 10, 15-18, 23-24 and 31, Park teaches a discharge cell, comprising a first electrode (figure 3, (22), a second electrode (figure 3, (24) that crosses the first electrode

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(figure 3, (22)), a dielectric layer (figure 3, (23)) positioned between the first and second electrodes, and at least one auxiliary electrode (figure 3, (26)) coupled to one of the first (figure 3, (22)) and second electrodes (figure 3, (24) (figures 3-7, abstract; column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57), a plurality of third electrodes associated with each of the first electrodes, wherein each of the plurality of third electrodes (figures 3-7, abstract, column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57), and the at least one auxiliary electrode further comprising a second auxiliary electrode connected to the second electrode (column 4, lines 1-67).

Park does not expressly disclose that a plasma display having a radio frequency.

However, Baranov discloses a plasma display having a radio frequency (column 3, lines 22-35).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate Baranov's plasma display having radio frequency (pulse) into Park's plasma display so as to increase the versatility of the display device.

As to claim 2, Park (figures 3-7) teaches wherein the first electrode is an address electrode formed on a substrate, and the second electrode line is a scanning electrode formed on the dielectric layer covering the address electrode (abstract; column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57).

As to claim 13, Park (figures 3-7) teaches address electrode to be perpendicular to the address electrode at a position adjacent to an intersection between the address electrode and the scanning electrode, and is arranged at a position parallel to the scanning electrode (abstract;

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column 2, lines 15-67, column 3, line 30 through column 4, line 67, and column 5, line 1 through column 6, line 57).

5. Claims 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Baranov as applied to claim 10 above, and further in view of Bae (5,991,416).

As to claim 11, Park and Baranov teach all claimed limitation except that a high pass tilter.

However, Bae (figures 1 and 3) teaches a high pass filter (13) (column 5, lines 5-67).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Bae's device having a high pass filter into Park's modified device so as to increase the versatility of the device.

As to claim 12, Park and Baranov teach all claimed limitation except that a first low pass filter a second low pass filter.

However, Bae (figures 1 and 3) teaches a first low pass tilter a second low pass filter (10-12, & 14-16) and (column 5, lines 5-67).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Bae's device having a high pass filter into Park's modified device so as to increase the versatility of the device.

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Allowable Subject Matter

6. Claims 3-6, 8-9, 14 and 28-30 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

Response to Arguments

7. Applicant's arguments with respect to claims 1-2, 7 and 10-13 have been considered but

are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MANSOUR M. SAID whose telephone number is (571) 272-

7679. The examiner can normally be reached on MF (8:30-6:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mansour M. Said

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PRIMARY EXAMINER